What is claimed is:

- A circuit board having a circuit board thickness, the circuit board comprising:
 a core layer including one or more fibers; and
 a surface layer having a surface layer thickness that is between about 10% and
 about 30% of the circuit board thickness, the surface layer being free of fibers.
- 2. The circuit board of claim 1, wherein the core layer is fabricated from a resin in which the one or more fibers are embedded.
- 3. The circuit board of claim 1, wherein at least one of the one or more fibers comprises a glass fiber.
- 4. A circuit board having a circuit board thickness, the circuit board comprising: a core layer including a number of fibers; and a surface resin layer having a surface layer thickness that is between about 10% and about 30% of the circuit board thickness.
- 5. The circuit board of claim 4, wherein the core layer is a polymeric composite material.
- 6. The circuit board of claim 4, wherein the core layer has a thickness of between about .006 inches and .012 inches.
- 7. A circuit board having a circuit board thickness, the circuit board comprising: a first layer having a first layer thickness that is between about 10% to 15% of the circuit board thickness, the first layer being free of fibers;
- a second layer having a second layer thickness that is between about 10% to 15% of the circuit board thickness; and

a core layer located between the first layer and the second layer, the core layer including a number of fibers.

- 8. The circuit board of claim 7, wherein the core layer has greater mechanical strength that the first layer.
- 9. The circuit board of claim \(\frac{1}{2} \) wherein the core layer has greater mechanical strength that the second layer.
- 10. A circuit board having a circuit board thickness, the circuit board comprising: a first resin layer having a first layer thickness that is between about 10% and about 15% of the circuit board thickness;

a second resin layer having a second layer thickness that is between about 10% and about 15% of the circuit board thickness; and

a core layer located between the first resin layer and the second resin layer, the core layer including a number of fibers.

- 11. The circuit board of claim 10, wherein the first resin layer is free of fibers.
- 12. The circuit board of claim 11, wherein the second resin layer is free of fibers.
- 13. A circuit board assembly comprising:
 - a first circuit board;

a second circuit board coupled to the first circuit board, the second circuit board having a thickness and including a number of fibers having a fiber thickness of between about .001 inches and about .002 inches, the second circuit board having a surface located at a distance of between about 10 % to 20% of the thickness away from the number of fibers; and

a die coupled to the second circuit board.



- 14. The circuit board assembly of claim 13, wherein the die includes a dynamic random access memory (DRAM).
- 15. The circuit board assembly of claim 13, wherein the die includes a processor.
- 16. A circuit board assembly comprising:
 - a first circuit board;

a second circuit board coupled to the first circuit board, the second circuit board having a thickness and including a number of fibers having a fiber thickness of between about .001 inches and about .002 inches, the second circuit board having a surface located at a distance of between about 10 % and about 30% of the thickness away from the number of fibers; and

a die coupled to the second circuit board.

- 17. The circuit board assembly of claim 16, wherein the die includes an amplifier.
- 18. The circuit board assembly of claim 16, wherein the die includes an application specific integrated circuit (ASIC).
- 19. A circuit board assembly comprising:
 - a first circuit board;
- a second circuit board coupled to the first circuit board, the second circuit board comprising:
 - a core layer including a number of fibers; and
- a surface layer having a surface layer thickness that is between about 10% and about 30% of the circuit board thickness, the surface layer being free of fibers; and a die coupled to the second circuit board.
- 20. The circuit board assembly of claim 19, wherein the second circuit board has a thickness and includes a number of fibers having a fiber thickness of between about .001

inches and about .002 inches, the second circuit board has a surface located at a distance of between about 10% and 30% of the thickness away from the number of fibers.

- 21. A circuit board assembly comprising:
 - a first circuit board;

a second circuit board coupled to the first circuit board, the second circuit board having a thickness and including a number of fibers having a fiber thickness of between about .001 inches and about .002 inches, the second circuit board having a first surface located at a first distance of between about 10 % to 15% of the thickness away from the number of fibers and a second surface located at a second distance of between about 10% to 15% of the thickness away from the number of fibers; and

a die coupled to the second circuit board.

- 22. The circuit board assembly of claim 21, wherein the first circuit board is a computer system circuit board.
- 23. The circuit board assembly of claim 21, wherein the second circuit board is a memory circuit board.
- 24. A circuit board assembly comprising:
 - a first circuit board;

a second circuit board coupled to the first circuit board, the second circuit board having a thickness, the second circuit board having a first surface located at a first distance of between about 10 % and about 15% of the thickness away from a number of fibers and a second surface located at a second distance of between about 10% and about 15% of the thickness away from the number of fibers; and

a die coupled to the second circuit board.

25. The circuit board assembly of claim 24, wherein the die is coupled to the second circuit board by an adhesive.

26. A system comprising:

a processor;

a die having a number of memory circuits, at least one of the number of memory circuits being coupled to the processor; and

a circuit board coupled to the die, the circuit board having a surface and a thickness, and the circuit board including a number of embedded fibers such that the number of embedded fibers are located at a distance of between about 10% to 30% from the surface of the circuit board.

- 27. The system of claim 26, wherein the processor is a microprocessor.
- 28. The system of claim 26, wherein the number of memory circuits are static random access memory (SRAM) circuits.
- 29. A system comprising:

a processor;

a die having a number of memory circuits, at least one of the number of memory circuits being coupled to the processor; and

a circuit board coupled to the die, the circuit board having a first surface, a second surface, and a thickness, and the circuit board including a number of embedded fibers such that the number of embedded fibers are located at a distance of between about 10% and about 15% from the first surface and at a distance of between about 10% and about 15% from the second surface.

- 30. The system of claim 29, wherein the processor is a reduced instruction set computer (RISC).
- 31. The system of claim 29, wherein the number of embedded fibers is one.

32. A system comprising

a processor;

a die having a number of memory circuits, at least one of the number of memory circuits being coupled to the processor; and

a circuit board coupled to the die, the circuit board having a first surface, a second surface, and a thickness, and the circuit board including a number of embedded fibers, each of the number of embedded fibers having a thickness of between about .010 inches and .020 inches, the number of embedded fibers are located at a distance of between about 10% to 15% from the first surface and at a distance of between about 10% to 15% from the second surface.

- 33. The system of claim 32, wherein the processor is a digital signal processor (DSP).
- 34. The system of claim 32, wherein the circuit board is thermally coupled to the die.
- 35. A method of fabricating a circuit board having a circuit board thickness, the method comprising:

forming a core layer including a number of fibers; and

forming a surface layer on the core layer, the surface layer having a surface layer of thickness that is between about 10% and about 30% of the circuit board thickness, the surface layer being free of fibers.

36. The method of claim 35, wherein forming a core layer including a number of fibers comprises:

embedding the number of fibers in a resin

37. The method of claim 35, wherein forming a core layer including a number of fibers comprises:

embedding the number of fibers in a polymeric composite material.

38. A method of fabricating a circuit board having a circuit board thickness, the method comprising:

forming a core layer including a number of fibers; and

forming a surface resin layer on the core layer, the surface layer having a surface layer thickness that is between about 10% to 30% of the circuit board thickness.

- 39. The method of claim 38, further comprising: forming a number of slots in the circuit board.
- 40. The method of claim 38, further comprising:

 mounting a die using an adhesive over each of the number of slots.
- 41. A method of fabricating a circuit board having a circuit board thickness comprising:

forming a core layer including a number of fibers;

forming a first layer on the core layer, the first layer having a thickness between about 10% and about 15% of the circuit board thickness and the first layer being free of fibers; and

forming a second layer on the core layer, the second having a thickness that is between about 10% and about 15% of the circuit board thickness.

42. A method of fabricating a circuit board having a circuit board thickness comprising:

forming a core layer including a number of fibers;

forming a first layer on a first side of the core layer, the first layer having a thickness between about 10% and about 15% of the circuit board thickness and the first layer being free of fibers; and

forming a second layer on a second side of the core layer, the second having a thickness that is between about 10% and about 15% of the circuit board thickness.

43. A method of fabricating a circuit board having a circuit board thickness comprising:

forming a core layer including a number of fibers;

forming a first resin layer on the core layer, the first resin layer having a thickness between about 10% and about 15% of the circuit/board thickness; and

forming a second resin layer on the core layer, the second resin layer having a thickness that is between about 10% and about 15% of the circuit board thickness.

44. The method of claim 43, wherein forming the core layer includes embedding the fibers in a resin layer.